

METHOD AND APPARATUS FOR ACTIVE REDUCTION OF SPEAKERPHONE SINGING

Abstract:

5 In a speakerphone device identification of signals (i.e., voice
input or speaker output) in a process for reducing acoustic feedback, in
a communication device, is accomplished by adding a signature noise
(i.e., an identification mark) to output signals radiated by the speaker to
enable these signals to be separated from speech input to the
10 microphone. Having identified the signal (i.e., speech output) likely to
cause a “singing” phenomenon, appropriate insertion loss to reduce the
feedback may be added to the appropriate speech path within the
communication device, to reduce a probability of singing.